

19970627.qrp qrp-por0.769
>From owner-qrp-l@Lehigh.EDU Thu Jun 26 18:03 CDT 1997
>Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])
> by uro.theporch.com (8.8.6/A-UX-3.1.1) with ESMTP id SAA09977
> for <shimshon@uro.theporch.com>; Thu, 26 Jun 1997 18:03:49 -0500 (CDT)
>Received: from fidoii.CC.lehigh.EDU (fidoii.CC.lehigh.EDU [128.180.1.4])
> by sco.theporch.com (8.8.6/SCO-5.0.2) with ESMTP id XAA27708
> for <shimshon@theporch.com>; Thu, 26 Jun 1997 23:03:43 GMT
>Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id
<35122-71346>; Thu, 26 Jun 1997 19:03:18 -0400
>Date: Thu, 26 Jun 1997 19:03:11 EDT
>Sender: owner-qrp-l@Lehigh.EDU
>Precedence: bulk
>From: qrp-l@Lehigh.EDU
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: QRP-L digest 769
>Mime-Version: 1.0
>Content-Type: text/plain; charset=us-ascii
>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
>Message-Id: <97Jun26.190318edt.35122-71346+187@fidoii.cc.Lehigh.EDU>
>Status: 0

QRP-L Digest 769

Topics covered in this issue include:

- 1) [21956] Solar Report, etc
by n4js@amsat.org
- 2) [21957] FD bedlam
by Joel Malman <malman@BBN.COM>
- 3) [21958] Re: SLV Antenna!
by mdwatt@usit.net (Marty Watt)
- 4) [21959] RE: CMOS II memory keyer question
by Larry East <w1hue@amsat.org>
- 5) [21960] Re: Antenna gain
by Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
- 6) [21961] FS: HW-9, HFT-9A , PSA-9, LDG tuner
by DaveLeDuc@aol.com
- 7) [21962] [Fwd: **! QRP - 20 METER SSB/CW HT - \$300 !**]
by bruce muscolino <w6toy@erols.com>
- 8) [21963] Field Day
by Pete Rossi <wa3nna@resuba.com>
- 9) [21964] FS: OHR-400,DD-1
by JFelts4572@aol.com
- 10) [21965] Re: LEGAL ISSUES WHEN GIVING QRP TALK
by laura halliday <ve7ldh@direct.ca>
- 11) [21966] Great Circle Distance program
by n4so@juno.com

- 12) [21967] Re: FD bedlam
by Jim Wallace <vintage@best.com>
- 13) [21968] re: antenna gain
by af852@rgfn.epcc.Edu (William R Colbert)
- 14) [21969] Re: SLV Antenna!
by "Matt Wright, AE4JM" <cnw@hiwaay.net>
- 15) [21970] Re: SLV Antenna! Another alternative!
by Jess Gypin <jessqrp@concentric.net>
- 16) [21971] 30 meter beacon
by Scott Bauer <ke3nv@erols.com>
- 17) [21972] CQC Swaplist Updated
by "Marshall Emm" <mgemm@mtechnologies.com>
- 18) [21973] Re: SLV Antenna! Another alternative!
by "Matt Wright, AE4JM" <cnw@HiWAAY.net>
- 19) [21974] Wanted Sierra Modules
by Lee <jcs4us@cosmoaccess.net>
- 20) [21975] Daily Forecast Info
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 21) [21976] RE: Daily Forecast Info
by pthomson@bruderhof.com
- 22) [21977] FS: Chrome Bencher BY-2
by Mike Robinson <miker@comlinear.nsc.com>
- 23) [21978] RE: forecast
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 24) [21979] SLV antenna
by sarraf@thermacore.com
- 25) [21980] Back issues of SPRAT
by George Gingell <k3tks@u1.abs.net>
- 26) [21981] 10m open ???
by AlK0FRP@aol.com
- 27) [21982] Re: 10m open ???
by cooper@gmpvt.com (Tom Cooper)
- 28) [21983] Re: SLV/MMA Antenna
by "Rick Hadley" <r.hadley@www.mebbs.com>
- 29) [21984] Re: QRP TALK Legal?
by George Gingell <k3tks@u1.abs.net>
- 30) [21985] T-T 206A calibrator manual/schematic needed
by John Evans - N3Q00 <jaevas@codenet.net>
- 31) [21986] Re: FD bedlam
by wb2vuo@juno.com (William K Hibbert)
- 32) [21987] T-T 226 Calibrator
by Norm Melick <henmel@worldnet.att.net>
- 33) [21988] Re: FD bedlam
by "Rick Hadley" <r.hadley@www.mebbs.com>
- 34) [21989] Re: SLV antenna
by Ed Loranger <we6w@qsl.net>
- 35) [21990] 10 METERS IS INDEED, OPEN
by gregoire@endor.com

- 36) [21991] Digital Frequency Display Backlit display available
by Neil Heckt <neil@aade.com>
- 37) [21992] DFD typo
by Neil Heckt <neil@aade.com>
- 38) [21993] Re: LEGAL ISSUES WHEN GIVING QRP TALK
by "Ed Hare, W1RFI" <ehare@arrl.org>
- 39) [21994] Re: 10 METERS IS INDEED, OPEN
by Tom_Jennings <jennings@eng16.rochny.uspra.abb.com>
- 40) [21995] New and improved:
by Glenn Swanson <gswanson@arrl.org>
- 41) [21996] April 1993 QRP Quarterlies
by Larry East <w1hue@amsat.org>
- 42) [21997] Custom Enclosure 38S
by n4js@amsat.org
- 43) [21998] Re: LEGAL ISSUES WHEN GIVING QRP TALK
by w4bws@juno.com (Donald E Sanders)
- 44) [21999] Re: Front Panel Screws
by Zack Lau <z1au@arrl.org>
- 45) [22000] Re: Front Panel Screws
by Monte Stark <ku7y@sage.dri.edu>
- 46) [22001] Re: Custom Enclosure
by Steve Bornstein <saborns@freenet.columbus.oh.us>
- 47) [22002] ATTENTION CQrp MEMBERS
by Steve Bornstein <saborns@freenet.columbus.oh.us>
- 48) [22003] Ten Meter??
by jlarsen@alascom.att.com
- 49) [22004] RE: 10 meters open
by Sandy W5TVW <ebjr@worldnet.att.net>
- 50) [22005] HELP Today's 50 40 30 sked pls
by "KA5T Larry Wise" <lewise@inetport.com>
- 51) [22006] CDA Overturned
by "Marshall Emm" <mgemm@mtechnologies.com>
- 52) [22007] Re: oscilloscopes
by Dana E Hager <dehager@ix.netcom.com>
- 53) [22008] SOLD: Bencher BY-2
by Mike Robinson <miker@comlinear.nsc.com>

Date: Wed, 25 Jun 1997 18:47:13 -0400 (EDT)
From: n4js@amsat.org
To: qrp-1@Lehigh.EDU
Subject: [21956] Solar Report, etc
Message-ID: <XFMail.970625185116.n4js@amsat.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

Well, thanks for the solar report. Sounds like the prediction for solar flux in the 90's were kinda optimistic.

Heard a station, weak but readable on 10.101. Call was ONA200. Yeah, I thought that was wrong, but he repeated it. Never heard a 3-letter Belgium prefix. Anyway, gave him a call, and actually worked him with the OHR. Surprised the h*** out of me, as he was only 549 here. I got a 449, and a quick "73, qsl via buro." Anyone hear of a ONA2 prefix before?

Sent at 18:51:16 on 25-Jun-97

```

      John L. Sielke n4js@amsat.org n4js@pobox.com
| \ | | | | _ | | / _ | n4js@n4js.ampr.org NJ Grid:FM29LN
| . ' | | _ _ | | | | \ _ _ \ http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884
| _ | \ | | _ | \ _ _ / | _ _ / QRP-ARCI #9328 CQC #443 CQrp #50
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243
WIMPS Qs=025 30m=22 17m=3 12m=0 States=08/02/00 Countries=12/02/00
```

Date: Wed, 25 Jun 97 19:10:38 EDT
From: Joel Malman <malman@BBN.COM>
To: qrp-l@Lehigh.EDU
Subject: [21957] FD bedlam
Message-ID: <199706252310.TAA31572@nss2.CC.Lehigh.EDU>

Folks,

Yep! Just a few days before the Field Day and I can hardly wait. I will be 1B from upstate New York, probably using an EXP II (40m) and a 9020 (20m), keyer, MFJ tuner, WM-2, and a G5RV type all band antenna. It's not my first FD -- and probably will not be my last, but for some reason (unknown to me) I just get the feeling this is going to be a fun one. Murphy, please stay away -- but just in case, I will be bringing spare cables (power, keyer, etc). No chance to solder things on site -- as there will be no AC power!

Sure, there is going to be bedlam on the bands. My basic game plan will be to work 40m ('locals') and 20m ('DX'). I am sure there are going to be many other QRP stations with the same plan.

The gel cells are all charged up, the packing list is complete. Hope to see and work you all on the bands. 72 and GL.

/joel wa1qvm (malman@bbn.com ... Concord, Ma.)
WIMPS: Qs=173 30m=155 17m=17 12m=01 States=24/04/00 DX=049/12/01

Date: Wed, 25 Jun 1997 23:17:49 GMT
From: mdwatt@usit.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [21958] Re: SLV Antenna!
Message-ID: <33b38a64.164802944@smtp.usit.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Wed, 25 Jun 1997 14:16:22 -0500 (CDT), "Matt Wright, AE4JM"
<cnw@hiwaay.net> wrote:

>Hey Marty,
>I think that KD4KZQ built his own SLV Marty. I'm not sure though, if
>that's all it takes, careful wrapping, and maybe some type of epoxy, or
>silicone, well I can't get that also Marty. I just would like to have
>a vertical that is that backpack friendly while working soooooo good
>from what I hear Marty. Thanks for the info again though!

The original SLV, which used a tuner for all-band capability, is
certainly an easy homebrew project. The MMA modification made a
coil on PVC form, elevated the coil from the bottom of the antenna,
and added a sliding bar, meaning a tuner wasn't necessary anymore.

The original SLV is easy -- the MMA coil is more difficult to
homebrew (not impossible, just more difficult to replicate). Which
is why MMA sells the coils ...

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq

Date: Wed, 25 Jun 1997 17:38:03 -0600
From: Larry East <wlhue@amsat.org>
To: mdwatt@usit.net (Marty Watt)
Cc: qrp-l@Lehigh.EDU
Subject: [21959] RE: CMOS II memory keyer question

Message-ID: <2.2.16.19970625233803.400f52e8@eloi>

Mime-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

>Any ideas on what I could do to run a CMOS II from a 9V source?
>I've found a speaker small enough to put the whole assembly (save
>the 3 AA's) in an Altoids tin. I still have enough room for a 9V.
>

My advice is to use a low current 5V regulator; 9V in, 5V out. The LM2936 would be an ideal candidate; the LM2936Z-5.0 is a 3-pin TO-92 device thus requiring very little room (you'll need a 0.1uF to 1.0uF cap on its output -- there is probably one on the CMOS II board already). It will even work when the battery voltage drops to under 6V!

Info from National's WEB page (<http://www.national.com/pf/LM/LM2936.html>):

The LM2936 ultra-low quiescent current regulator features low dropout voltage and low current in the standby mode. With less than 15 =B5A= quiescent current at a 100 =B5A load, the LM2936 is ideally suited for automotive= and other battery operated systems. The LM2936 retains all of the features= that are common to low dropout regulators including a low dropout PNP pass device, short circuit protection, reverse battery protection, and thermal shutdown. The LM2936 has a 40V operating voltage limit, -40=B0C to +125=B0C operating temperature range, and =B13% output voltage tolerance over the entire output current, input voltage, and temperature range. The LM2936 is available in both a TO-92 package and an 8-pin surface mount package with a fixed 5V output.

There is also a MAXIM low current regulator that includes provision for a low battery indication, but more external parts are required (if you want the low battery indication) and a little more room (it's an 8 pin IC). A circuit using this chip will appear [I hope!] in the July QRP Quarterly. Woops -- I just noticed that this chip (MAX663) has already been mentioned in a previous message (I just get the digest...)! (However, the output cap should be at least 0.1uF, NOT 0.001uF and 0.1uF would be a good idea on the input as well.)

72, Larry W1HUE/7

Date: Wed, 25 Jun 97 16:41:00 PDT
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
To: qrp-1@Lehigh.EDU
Subject: [21960] Re: Antenna gain

>From: Ken Graham <k5id@ipa.net>
>Also, keep in mind that the GAIN in the favored direction of a plain
>dipole is about 2-3 dbi, so in most cases it makes good sense to
>compare gain with that of a dipole (dbd) rather than theoretical
>isotropic (dbi) Regards, Ken K5ID

Hi Ken, there is a problem with dBd. A dipole over real ground has about 4dB gain over a dipole in real space. So does a dipole over real ground have 4dBd gain? A dipole has gain over a dipole? IMO, the boundary conditions for dBd leave too much room for confusion. Since there's no similar confusion about an isotropic antenna over real ground, I prefer dBi and so does Roy Lewallen, W7EL, author of ELNEC/EZNEC.

73, Cecil, W6RCA, 00TC

Date: Wed, 25 Jun 1997 20:13:58 -0400 (EDT)
From: DaveLeDuc@aol.com
To: qrp-1@Lehigh.EDU
Subject: [21961] FS: HW-9, HFT-9A , PSA-9, LDG tuner
Message-ID: <970625201335_-627435565@emout04.mail.aol.com>

I have decided to sell my HW-9 Station.
The HW-9 is currently being realigned at RTO electronics but I should have it back soon.
All pieces are in excellent condition. The only modification is to the power supply where terminals have been added to the front. (red and black screw type terminals).
I would like to get \$350 for all.

I also have a factory built LDG qrp auto tuner that has only been used once for a few minutes. I would like to get \$135 for the auto tuner.

If you are interested please reply via email.
73 de Dave K1EPJ

Date: Wed, 25 Jun 1997 19:49:34 -0700
From: bruce muscolino <w6toy@erols.com>
To: qrp-1@Lehigh.EDU
Subject: [21962] [Fwd: **! QRP - 20 METER SSB/CW HT - \$300 !**]
Message-ID: <33B1D8BE.1DF2@erols.com>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----5B96D0E5DBA"

This is a multi-part message in MIME format.

-----5B96D0E5DBA
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

Just saw this on rec.radio.swap.

73,

-----5B96D0E5DBA
Content-Type: message/news
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Path: winter.erols.com!feed1.news.erols.com!newsfeed.internetmci.com!
pandora.digitaladvantage.net!news.icanect.net!not-for-mail
From: kf4kjf@post1.com (Benjamin Blavat)
Newsgroups: rec.radio.swap,rec.radio.amateur.equipment
Subject: **! QRP - 20 METER SSB/CW HT - \$300 !**
Date: Tue, 24 Jun 1997 16:19:47 GMT
Organization: Great Think Inc.
Message-ID: <33b2f2f2.18452043@news.icanect.net>
Reply-To: benb@bcfreenet.seflin.lib.fl.us (Ben Blavat)
NNTP-Posting-Host: 206.142.167.134
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
X-Newsreader: Forte Agent 1.01/32.397
Xref: winter.erols.com rec.radio.swap:129749

Mizuho MX-14S 20 meter SSB/CW AC/DC/INTERNAL power.

Specs

Holds two crystals,Freq. 14.200-300 with two crystals,

I expect to be on 40 (and a little 20) from 2PM-9PM Saturday and from about 9AM-2PM Sunday.

I will try 80 for a little bit just before I shutdown... just before dark.
Unfortunately, I must QRT and leave the beach from dark (9 PM) until
Sunday Morning.

Like most QRP-ers I will be 100% S&P mode. Not worth wasting battery power
calling CQ.

GL CU FD DE WA3NNA 1B SNJ

Pete Rossi - WA3NNA
wa3nna@pete.resuba.com

Date: Wed, 25 Jun 1997 20:37:59 -0400 (EDT)
From: JFelts4572@aol.com
To: qrp-l@Lehigh.EDU
Subject: [21964] FS: OHR-400,DD-1
Message-ID: <970625203719_1925821704@emout02.mail.aol.com>

For Sale: OHR-400, and DD-1. Both in excelent condition, less than 6 months
old, tuned up by OHR. Asking \$340 E-Mail if interested.

Jerry -- NR5A -- SD

Date: Wed, 25 Jun 1997 17:38:48 -0700
From: laura halliday <ve7ldh@direct.ca>
To: qrp-l@Lehigh.EDU
Subject: [21965] Re: LEGAL ISSUES WHEN GIVING QRP TALK
Message-ID: <33B1BA18.6CF60159@direct.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm always baffled at how one can disclaim involvement
anyway - if mentioning a firm causes business to come their
way, it makes them stronger, and helps the hobby. Which
helps us all. This would appear to be A Good Thing...

--

Laura Halliday "C'est une femme mutine, assez elegante,

ve7ldh@direct.ca grave et legere, ayant le sens
Grid: CN89mg du confort et du plaisir en tout."
 - C. Deneuve

Date: Wed, 25 Jun 1997 21:07:21 EDT
From: n4so@juno.com
To: qrp-l@Lehigh.EDU
Subject: [21966] Great Circle Distance program
Message-ID: <19970625.210329.5215.15.N4SO@juno.com>

Has anyone used the Beta version of the W2IOL Great Circles, Grid
Locaters, and
Coordinates?
**bad command or file name
**duplicate file name
Grid Locater not working.
Discuss problems?

Ken Brown , N4SO
QTH: Nr Mobile, AL
QRP-L #622
n4so@juno.com

Date: Wed, 25 Jun 1997 18:27:42 -0700 (PDT)
From: Jim Wallace <vintage@best.com>
To: Joel Malman <malman@BBN.COM>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [21967] Re: FD bedlam
Message-ID: <Pine.SGI.3.95.970625182251.12724A-100000@shellx.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 25 Jun 1997, Joel Malman wrote:

> Folks,
>
> No chance to solder things on site -- as there will be no AC power!
>

Hi Joel,

Can't let that statement go by without comment! I picked up a butane soldering iron from the Radio Shack. Lighting it may not be as convenient as other 'professional' ones on the market, but the price is reasonable and it works FB. Consider it as a possible Murphy repellent ;-)

Bob - W3CD

Date: Wed, 25 Jun 97 19:48:25 MDT
From: af852@rgfn.epcc.Edu (William R Colbert)
To: qrp-1@Lehigh.EDU
Subject: [21968] re: antenna gain
Message-ID: <9706260148.AA10809@rgfn.epcc.Edu>

I think the reason for using the dissipation resistance at the end of a long wire, V-beam or Rhombic is not to dissipate power but to set the directivity. Not sure if the lossy ground will work or not. I have used a similar ground but also used a terminating resistor in the series with the ground. One thing that does work is nickel plated steel - had a little transmitter at work once that had a number of rhombics tied to it and the feeder was 00 phosphor-bronze spaced at 12 inches and the terminating system was the nickel plated steel, measured out in 10's of feet, set up just like a balanced feeder and run back on short posts to a ground rod. The wire dissipation system measured out to 800 ohms, made from 02 nickel plated steel. Oh the transmitter ran 6 3cx2500a's driven by a pair of 4-400's 3-28 Mhz. For qrp levels a small resistor will work fine for the setting of the directivity. Mechanically tho, it would need some sort of support. My last big antenna system with V-beams consisted of a rosette of 5 sloping Vee beams and they had a terminating resistor on each leg to ground - 400 ohm each for a total of 800 ohms, and the balun at the feed point was 12:1, which was pretty close to what it should be. Worked very well and instant directional change at the push of a button. 505 feet per leg.

Directional antennas on 80, 40, 30 are very desirable especially here on the Mexican border. Even on 160 if I worked that band. At present my antenna is a pair of Cushcraft AP8A verticals with a phasing unit at the operating position, capable of unidirectional operation NE/SW and bi-directional NW/SE. It is very worth while to null the direction that one is not wanting to listen to or transmit to. also known as low density operation, or

spectrum conservation. The ideal way to use the unit is once a cq call is made, the antenna is switched between all positions or placed in the bidirectional mode to listen for calls.

My dos pesetas worth.

72/73 Ray

--

Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (Far West Texas)
(also: v31xe@dzn.com)

Date: Wed, 25 Jun 1997 21:54:56 -0500 (CDT)
From: "Matt Wright, AE4JM" <cnw@hiwaay.net>
To: Marty Watt <mdwatt@usit.net>
Cc: qrp-1@Lehigh.EDU
Subject: [21969] Re: SLV Antenna!
Message-ID: <Pine.OSF.3.94.970625215254.1453A-1000000@fly.HiWAAY.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hey Marty and Gang,
Okay, thanks for the info Marty. Before I get too far ahead of myself, I went to Wal-Mart tonight to by a SD-20, they didn't have them. I bought a B'n'M's Black Widow, 13' long when full extended it says, will this work?

Matt, AE4JM

P.S. I also bought some alligator clips and 100' of 300 ohm twinlead.

Date: Wed, 25 Jun 1997 21:30:02 -0600
From: Jess Gypin <jessqrp@concentric.net>
To: qrp-1@Lehigh.EDU
Subject: [21970] Re: SLV Antenna! Another alternative!
Message-ID: <33B1E23A.3919@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> The original SLV is easy -- the MMA coil is more difficult to
> homebrew (not impossible, just more difficult to replicate). Which
> is why MMA sells the coils ...
>

> Marty, KM7W

And it works just dandy! I have the MMA version of the SLV but I would like to offer you another lower cost version of the same idea that costs a lot less than \$60.00 and is home brew. About the time MMA was working on his coil (and a beauty it is!) I came up with another idea. Not as elegant, but works almost as well.

Take a peice of foam pipe insulation, the stuff that you put on refrig pipes and others to keep them from freezing with about a 1 1/2 id. Spilt it down the center and then slip this over the bottom section of the pole. You will need about 2 feet of the insulation. Then wrap the bottom of the pole with coil form wire, tinned wire, brass wire, copper wire, what have you (14-16? gauge) at about 3 turns per inch. Then attach a BNC or 259 connector to the bottom. Center goes to coil, ground to radials. I will not expand on the idea here there are complete details on how to build it on my web page at <http://www.concentric.net/~jessqrp>

You just then make a wire jumper with two alligator clips to to short out parts of the coil for tuning. Pole will cost about 20 bux and the wire and foam for the coil about 5 bux.

Let me know if there are others that would like more details. I have done side by side comparisons in the fiels the the pole with my version of the coil is only a bit down or equal depending on the band with the MMA coil. The foam coil version is MUCH lighter and CHEAPER. I have also done a side by side with the foam coil version and my GAP titan and there is not much appreciable difference on 40-15 meters. About equal on receive and about at most 1-2 S units on transmit, most of the time the receiving station could not tell the difference on 30 and 40 meters. There is a file on the web page that tells all about the comparison.

Best

Jess N0TFI

<http://www.concentric.net/~jessqrp>

Date: Wed, 25 Jun 1997 23:31:25 -0400 (EDT)

From: Scott Bauer <ke3nv@erols.com>
To: qrp-1@Lehigh.EDU
Subject: [21971] 30 meter beacon
Message-ID: <199706260331.XAA00452@smtp1.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 0330z I am hearing DK0WCY beacon on 10.044.5

Date: Wed, 25 Jun 1997 22:41:52 +0000
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@Lehigh.EDU
Subject: [21972] CQC Swaplist Updated
Message-ID: <199706260443.WAA23009@lynx.csn.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The CQC Swap List has been updated. Web surfers will find it at:
<http://www.mtechnologies.com/mthome/cqcswap.htm> or send an e-mail
message to cqcswap@mtechnologies.com if you'd like to be on the list
for e-mail distribution.

73
Marshall Emm
AA0XI/VK5FN
aa0xi@mtechnologies.com
<http://www.mtechnologies.com/mthome>

Date: Wed, 25 Jun 1997 23:49:14 -0500 (CDT)
From: "Matt Wright, AE4JM" <cnw@HiWAAY.net>
To: Jess Gypin <jessqrp@concentric.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [21973] Re: SLV Antenna! Another alternative!
Message-ID: <Pine.0SF.3.94.970625234717.15066G-100000@fly.HiWAAY.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hey Jess,

Thanks a lot for the info and you sharing your info with us. I'm fixing to print that info out and then see what I can come up with Jess. Thanks again, what a great list. I sent that message off last night looking for info on the SLV and I've already had about 10 responses to it. GREAT, GREAT list. I can't say it enough.

Best 72/73 DE

Matt, AE4JM

--

JCARC-ARCI 9178-ARRL-ARRL ORS-Ten Ten 66932-VP 2855-WAS

Matt Wright, ph.(205)228-6547 packet:AE4JM@K4BFT.#HSV.AL.USA.NA

<http://fly.hiwaay.net/~cnw> email: cnw@hiwaay.net

Rigs built: Ramsey rcvr 40m NC38S SW30-40 NC49'er NC40A/KC1 GM-20

Date: Wed, 25 Jun 1997 22:21:14 -0700

From: Lee <jcs4us@cosmoaccess.net>

To: qrp-l@Lehigh.EDU

Subject: [21974] Wanted Sierra Modules

Message-ID: <1.5.4.32.19970626052114.0086333c@cosmoaccess.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Wanted modules for the NorCal Sierra 40-meter, 20-meter.....72, Lee

- So far 38-Special Ten Tec 509 NorCal Sierra 38-S 49er

Date: Thu, 26 Jun 1997 13:12:56 +0100

From: adams@chuck.dallas.sgi.com (Chuck Adams)

To: qrp-l@Lehigh.EDU

Subject: [21975] Daily Forecast Info

Message-ID: <199706261212.NAA18397@chuck.dallas.sgi.com>

Gang,

Some people asked about the propagation forecast posted yesterday by yours truly. It comes out daily and you too can add it to your growing list of daily email by sending email to

majordomo@sel.noaa.gov

and in the BODY of the email place

subscribe forecast

You don't have to put your name or email address or call or anything else in the message. It is not like subscribing to this list. :-) Some of you may have a problem though, if your mail system 'dinks' with the mail header information you may get mail bouncing and the reflector will unsubscribe you. So if it doesn't work, it isn't my fault.

It takes a while to get used to getting the report in all caps but you can't yell at NOAA, they'll ignore you in total. :-) That's for the humor impaired. ;-) and the network police.

:-)

Anyway, everybody hang on. You don't expect the sun to follow a time scale that everyone else in the universe is guessing at do you?

FYI

Many thanks to Ray, W5XE, in El Paso TX (he isn't really in the state since he is so far away from Dallas) for first bringing this up in the early life of this mail group, a.k.a. the net.

Chuck Adams K5FO CP-60 adams@sgi.com

<http://reality.sgi.com/adams/>

WIMPS: Qs=039 30m=32 17m=5 12m=0 States=23/05/00 DX=03/00/00 QSLs=014

Date: Thu, 26 Jun 1997 09:20:13 -0400

From: pthomson@bruderhof.com

To: qrp-l@Lehigh.EDU (QRP List)

Cc: adams@chuck.dallas.sgi.com (adams@chuck.dallas.sgi.com)

Subject: [21976] RE: Daily Forecast Info

Message-ID: <716CB2338100001F5CAB@mail.brudershof.com>
MIME-Version: 1.0
Content-type: text/plain; charset="ISO-8859"
Content-disposition: inline
Content-transfer-encoding: 7bit

For those of you with WWW access, a much nicer presentation is:

<http://www.dxlc.com/solar/>

I especially like the graph, since it gives recent A-index values which affect low-band operation (160m / MW / LW).

72/73 de KA2QPG,
Pierre Thomson

Chuck Adams wrote:

Some people asked about the propagation forecast posted yesterday by yours truly. It comes out daily and you too can add it to your growing list of daily email by sending email to

majordomo@sel.noaa.gov

and in the BODY of the email place

subscribe forecast

...

Date: Thu, 26 Jun 1997 6:40:07 MST
From: Mike Robinson <miker@comlinear.nsc.com>
To: qrp-1@Lehigh.EDU
Subject: [21977] FS: Chrome Bencher BY-2
Message-ID: <199706261340.GAA05632@gecko.nsc.com>

For Sale:

Chrome Base Bencher BY-2 Paddles \$65 (incl CONUS)

I polished it up last night. It shines so nice I thought twice about selling it. BUT, I touched one of the Kent kit paddles the other day

and gotta have one.

```
=====
73 Michael N7MR                      http://www.frii.com/~michael
Michael.Robinson@nsc.com             michael@frii.com
QRP-L #126                          Norcal #857                CQC #180
=====
```

Date: Thu, 26 Jun 1997 09:56:41 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-l@Lehigh.EDU
Subject: [21978] RE: forecast
Message-ID: <35802.owen@piper.eeel.nist.gov>

In answer to John N4JS question here is the latest forecast from NOAA. If you desire to subscribe to this, send message to majordomo@proton.sel.noaa.gov and in the text subscribe forecast You will get one forecast daily. 72 Jim K4CGY

> :Product: Report of Solar-Geophysical Activity
> :Issued: 1997 Jun 25 2205 UT
> # Prepared jointly by the U.S. Dept. of Commerce, NOAA,
> #Space Environment Center and the U.S. Air Force.
> #
> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
> SDF NUMBER 176 ISSUED AT 2200Z ON 25 JUN 1997
> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100Z
> TO 25/2100Z: SOLAR ACTIVITY WAS VERY LOW. NO SIGNIFICANT FLARES
> OCCURRED. NEW REGION 8056 (N17W18) IS EMERGING RAPIDLY AND ALREADY
> HAS SEVERAL SMALL SPOTS AND RUDIMENTARY PENUMBRA.
> IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY
> LOW TO LOW. A SMALL C-CLASS FLARE IS POSSIBLE IN REGION 8056 IF
> GROWTH CONTINUES.
> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z:
> THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED.
> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
> EXPECTED TO BE QUIET TO UNSETTLED.
> III. EVENT PROBABILITIES 26 JUN-28 JUN
> CLASS M 01/01/01
> CLASS X 01/01/01
> PROTON 01/01/01
> PCAF GREEN
> IV. PENTICTON 10.7 CM FLUX
> OBSERVED 25 JUN 072
> PREDICTED 26 JUN-28 JUN 074/076/076

> 90 DAY MEAN 25 JUN 074
> V. GEOMAGNETIC A INDICES
> OBSERVED AFR/AP 24 JUN 006/006
> ESTIMATED AFR/AP 25 JUN 008/008
> PREDICTED AFR/AP 26 JUN-28 JUN 005/012-005/010-010/005
> VI. GEOMAGNETIC ACTIVITY PROBABILITIES 26 JUN-28 JUN
> A. MIDDLE LATITUDES
> ACTIVE 10/10/15
> MINOR STORM 05/05/05
> MAJOR-SEVERE STORM 01/01/01
> B. HIGH LATITUDES
> ACTIVE 15/15/20
> MINOR STORM 05/05/10
> MAJOR-SEVERE STORM 01/01/05
>

Date: Thu, 26 Jun 1997 10:01:28 -0400
From: sarraf@thermacore.com
To: k5zty@juno.com
Cc: mdwatt@usit.net, qrp-l@listserv.lehigh.edu
Subject: [21979] SLV antenna
Message-ID: <852564C2.004CBC1D.00@tci-nt02.thermacore.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Bill,

Like you, I was also interested in the SLV but never pursued it. I have access to a lathe but no plans. You have plans but no lathe or coil. Send me the plans and I will send you back a length of threaded PVC pipe.

Dave Sarraf
N3NDJ
Elizabethtown, PA

Date: Thu, 26 Jun 1997 10:31:35 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: "Kevin F. Glynn" <KFGlynn@prodigy.net>
Cc: QRP List <QRP-L@Lehigh.EDU>, "N.J. QRP Club List Server" <njqrp@njqrp.org>,

gqrp@blacksheep.org

Subject: [21980] Back issues of SPRAT

Message-ID: <Pine.BSI.3.93.970626094943.7952B-100000@u1.abs.net>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Kevin,

I just finished reading the digest for yesterday, sorry for the delay in responding to your inquiry.

You can get some back issues of SPRAT from Bill Kelsey, N8ET of KANGA US. You can get a catalog of the QRP Kit product line from Bill Kelsey at 3521 Spring Lake Dr., Findlay, OH 45840.

Send a request with your address and a couple of stamps for a SPRAT Size catalog. Bill Kelsey, N8ET (419)423-4604 [Evenings 7:00 - 11:00 EDST Only] He has a regular job also. He is also on email and WWW <kanga@bright.net> <<http://qrp.cc.nd.edu/kanga/>>

Back issues of SPRAT are \$ 1.00 each. Also FYI, Bill will shortly be doing a REPRINT of the first 90 issues of SPRAT. It will probably be done in three or four volumes. Price to be determined by copying costs.

I have also heard a rumor of a possible CD-ROM version after the paper version is complete. I am still trying to complete my collection. I have all of the issues from #29 to present. I am missing #36 & #44 only. and of course #1-28. Seems like I loaned out a couple and they got lost.
;^(

In addition to the great QRP Kits that Bill handles, he also has QRP Related books and a Parts Connection with Buckeye Electronics.
<buckeye@alpha.wcoil.com> <<http://alpha.wcoil.com/~buckeye>>

Here is a sample of the books available:

Back issues of SPRAT - \$ 1.00 each

The G-QRP Club Antenna Handbook - \$ 12.00

The Antenna Experimenter's Guide by Peter Dodd, G3LDO - \$ 15.00

The G-QRP Club Circuit Handbook - \$ 12.00

Some A.R.R.L. books

K4TWJ, Dave Ingram - Getting Started in QRP - \$ 10.00
(I will autograph the photo for free at Dayton :^)

The HW-8 Handbook by Mike Bryce, WB8VGE - \$ 11.00

The Electronic DATA Book for Homebrewers and QRPers by NA5N, Paul Harden -
at \$ 20.00 this is a bargain and belongs in every QRPers Library !

Gee, this is almost an advertising Flyer :) I get carried away some times when I get into the QRP soapbox mode :^)

While I am at it, I might mention that I am handling the Back Issues of the QRP Quarterly Journal (QRP ARCI). Contact me for details and availability. Year sets are \$ 10.00 plus \$ 3.00 USPS Postage per 4 copies. I have 1995 and 1996 Sets and the current 1997 issues. A very Limited supply of assorted other issues. They are going fast...

Remember, when these are gone that is it until Chuck Adams, K5FO completes the CD-ROM Edition of The QRP Quarterly Journal. I can hardly wait :^)

72 ES

QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net "Danny"
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
QRP ARCI Net Manager and Board of Director Member.

Date: Thu, 26 Jun 1997 10:45:43 -0400 (EDT)
From: AlK0FRP@aol.com
To: qrp-l@Lehigh.EDU
Subject: [21981] 10m open ???
Message-ID: <970626104539_1310394325@emout16.mail.aol.com>

Gang

For the last few days 10m has been open here in Colorado but only a few stations transmitting. Mostly into California.
I slide over the CB portion and it was loaded with SSB and AM.
10m is pobably open but no one calls cq. I called on 28.060 but with no go.
For those who have big radios with Gen coverage try the CB bands and listen for openings (heaven forbid transmit) if so just try calling CQ on CW or SSB and maybe we will get things going.
Field Day should bring up the activity this week end. 10m was open as well as 20m until after sundown 8-9 pm MDST on 10m and after 11pm on 20m. looking good.

DON'T BE SILENT "CALL"
AL K0FRP

Date: Thu, 26 Jun 1997 11:12:20 -0400
From: cooper@gmpvt.com (Tom Cooper)
To: qrp-1@Lehigh.EDU
Subject: [21982] Re: 10m open ???
Message-ID: <199706261512.LAA06271@web.gmpvt.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I didn't hear anything or get any responses to my 10m CQ's, either,
but 20m was open here last night until almost 0230 UTC. UL7 UA9 PV8
got themselves logged.

Tom W1EAT

Date: Thu, 26 Jun 1997 10:04:27 CDT
From: "Rick Hadley" <r.hadley@www.mebbs.com>
To: qrp-1@Lehigh.EDU
Subject: [21983] Re: SLV/MMA Antenna
Message-ID: <1.5.4.16.19970626092840.1c5faac4@www.mebbs.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

All the recent commentary about the SLV prompted me to get off my backside
and finish gathering the pieces to test my SLV/MMA that I've had laying in
the shack for a couple of months. Last night I set it up in the backyard
with three radials, about 23 feet long, and hooked up the old analog MFJ SWR
analyzer. It took all of about 3 minutes to get the SWR at 10.105 down to
1.3 or so. Set the 38S up on the back porch table and powered it with a
2.3ah cellphone battery. The first QSO I made was CT and the second NJ.
Got 559's from both, but the QRN was running about S6, so we didn't chat.
In any event, I'm quite satisfied and looking forward to taking it up to
northern MN next weekend. It may not be the perfect answer for a portable
antenna, but it's certainly one of the more affordable ones.

73, Rick

Richard W. (Rick) Hadley

W0FG - Life Member ARRL
QRP-L #1019
r.hadley@www.mebbs.com
The Solutions Store, Ltd.

Date: Thu, 26 Jun 1997 11:18:53 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: David Kreinberg <kreinbd@ccgate.dl.nee.com>
Cc: QRP List <QRP-L@Lehigh.EDU>, "N.J. QRP Club List Server" <njqrp@njqrp.org>
Subject: [21984] Re: QRP TALK Legal?
Message-ID: <Pine.BSI.3.93.970626105816.10676A-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Dave,

Just a quick note about your question. I am not a Lawyer, so this is not legal advise. Let me just say that We have been doing this for years without any problems. Mike Czuhajewski, WA8MCQ and I have a Special Service QRP Club (restricted membership by appointment) called the Maryland Milliwatt Club. Our goal in life is to promote QRP and homebrewing while having fun and enjoying life.

We have held many QRP "Show Es Tell" events over the past ten years or so. I have made up flyers and handouts of all sorts over the years. Trust me no one is going to complain about free advertising

I will send you a copy of my old QRP Resource list. I can't post it to the list as it is way out of date and I don't have time to update it just now. It will give you an idea of where to start. I will also send a copy of the QRP Net Schedule or you can get it from the QRP Web page. That needs updating as well. Please feel free to call me if you need more ideas or have questions. My answering machine is on line 24 hrs daily.

Good luck with your talk. Some of the other Officers of QRP ARCI will gladly assist you as well. I think Bob Gobrick, N0EB is working on a plan to help new clubs get started in QRP. Contact Bob at <rgob@tco.infonet.com> also check out his column in the April 1997 issue of The QRP Quarterly journal. Pages 8-10. Please feel free to use anything in the QRP Quarterly that you need. Just remember to give credit to the Author of all material used.

QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net "Danny"
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
QRP ARCI Net Manager and Board of Director Member.

Greetings,

72 de john - n3qoo

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

Date: Thu, 26 Jun 1997 08:06:56 EDT
From: wb2vuo@juno.com (William K Hibbert)
To: qrp-l@Lehigh.EDU
Subject: [21986] Re: FD bedlam
Message-ID: <19970626.080603.2063.0.wb2vuo@juno.com>

----- Begin forwarded message -----

On Wed, 25 Jun 1997, Joel Malman wrote:

> Folks,
>
> No chance to solder things on site -- as there will be no AC power!
>

----- End forwarded message -----

Yep! No AC power, but PLENTY of DC, and there are about 5 different 12VDC soldering pencils out there on the market. Check with Parts America (Western Auto), Builders Square and Sears Hardware. They are usually a 25 watt iron, with a cigarette lighter plug, and run from \$9.00 to \$15.00 depending on location and sales.

The RULES don't say anything about NOT using the DC in your truck(car) for an auxillary power source, and it won't run the radio batteries down that way.

There's also a number of butane-fired soldering irons, but more expensive. See Radio Shack about them.

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,
Trustee, NQ2RP/B 10 Mtr QRP Beacon
"In the Depths of the Great Bergen (NY) Swamp...FN13ac"
Packet - wb2vuo@w2im.#wny.ny.usa.noam *** Email - wb2vuo@juno.com
SnailMail - CBA *** Phone - 716.494.1239

"My Night Light runs more power than my Rig!!!"

Date: Thu, 26 Jun 1997 10:18:54 -0700
From: Norm Melick <henmel@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [21987] T-T 226 Calibrator
Message-ID: <33B2A47E.15AA@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am looking for a 226 Calibrator for my T-T 525D. If anybody has one that they could part with, I'd appreciate a hollar.

Thanks,

Norm

Date: Thu, 26 Jun 1997 12:35:14 Central Daylight Time
From: "Rick Hadley" <r.hadley@www.mebbs.com>
To: qrp-l@Lehigh.EDU
Subject: [21988] Re: FD bedlam
Message-ID: <1.5.4.16.19970626120546.289fbe34@www.mebbs.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:06 AM 6/26/97 EDT, you wrote:

>
>Yep! No AC power, but PLENTY of DC, and there are about 5 different 12VDC
>soldering
>pancils out there on the market. Check with Parts America (Western
>Auto), Builders Square and Sears Hardware. They are usually a 25 watt
>iron, with a cigarette lighter plug, and run from \$9.00 to \$15.00
>depending on location and sales.
>

Radio Shack also has a 12V, 30 watt iron (64-2105) for \$8.99 regular price.

73, Rick

Richard W. (Rick) Hadley
W0FG - Life Member ARRL
QRP-L #1019
r.hadley@www.mebbs.com
The Solutions Store, Ltd.

Date: Thu, 26 Jun 1997 10:42:34 -0700
From: Ed Loranger <we6w@qsl.net>
To: sarraf@thermacore.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [21989] Re: SLV antenna
Message-ID: <33B2AA0A.15FA@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I built a SLV earlier this year and posted a moderately long report of my construction.

I used a Pipethreading tool and threaded the pvc -- worked great. About every 10 or 15 turns I ran the wire through a solder lug with a loop on it. "Looks like a piece of art" -- my wife says. (Still trying to get her to accept my hobby, hi hi). Just anchor the wire and follow the threads up and anchor it there. Works like a charm!

I used it until I built my FD Vertical from aluminum. (Posted the Field Day Vertical a few weeks ago.)

Oh, did a little measuring last night on my FD vert. Bypassed the tuner and here's the final measurements for using it without a tuner:

FREQ 1-1/4 inch tube length.
40M 29'-10.5" 1.05:1 7000 to 1.5:1 vswr at 7170.
20M 15'-8" 1:1 at 14060 and usable the whole band.**
15M 10'-6" 1:1 at 21060 and usable the whole band.**
**NOTE: only time enough to scrutinize 40M. But 20/15 were very good match 1.5:1 most the band.

Field Day Ready!

-Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/Norcal#2227/ARCI#???? grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Thu, 26 Jun 97 13:59:29 PDT
From: gregoire@endor.com
To: Low power amateur radio discusion <qrp-1@Lehigh.EDU>
Subject: [21990] 10 METERS IS INDEED,OPEN

Hello Gang,

73

Date: Thu, 26 Jun 1997 11:18:12 -0700

From: Neil Heckt <neil@aade.com>
To: qrp-1@Lehigh.EDU
Subject: [21991] Digital Frequency Display Backlit display available
Message-ID: <33B2B264.BFC@aade.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Digital Frequency Display with backlit display module is not available. Unfortunately they are expensive, \$29.30 Digi-Key price.

Digital Frequency Display with backlit module \$74.95+\$1.50 S/H
Digital Frequency Display standard module \$49.95+\$1.50 S/H

DFD specifications have changed a little to make it easier to adjust and assure temperature stability. IF offset range 16.383MHz max in steps of 1 KHz.

--
Neil
Homebrew Heaven at <http://www.aade.com>
Home of L/C Meter IIB and Digital Frequency Display
Links to sites of interest to Engineers, Amateurs and hobbyists
interested in Circuit Design and construction.
Almost All Digital Electronics
1412 Elm St. SE
Auburn, WA 98092
253-351-9316

Date: Thu, 26 Jun 1997 11:29:49 -0700
From: Neil Heckt <neil@aade.com>
To: qrp-1@Lehigh.EDU
Subject: [21992] DFD typo
Message-ID: <33B2B51D.3B97@aade.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Terriable typo

The Digital Frequency Display with backlit display module is NOW available

--
Neil
Homebrew Heaven at <http://www.aade.com>

Home of L/C Meter IIB and Digital Frequency Display
Links to sites of interest to Engineers, Amateurs and hobbyists
interested in Circuit Design and construction.
Almost All Digital Electronics
1412 Elm St. SE
Auburn, WA 98092
253-351-9316

Date: 26 Jun 1997 18:50:18 GMT
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [21993] Re: LEGAL ISSUES WHEN GIVING QRP TALK
Message-ID: <5oudla\$koq@mgate.arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

kreinbd@ccgate.dl.nec.com (David Kreinberg) wrote:

> I will be giving my local club a presentation on QRP
> in October.

> What are the legal ramifications of mentioning companies
> who offer kits, products, etc.

ARRL routinely offers information on who makes what kits, in print, in our info packages and in our in-person dealings with our members. Although we often verify that a particular product is still available, we do not ask permission to mention company products because it isn't necessary.

Here is the list we have of kit suppliers, including QRP: (If you can add anything to this, or know of any changes, email tis@arrl.org).

72 from ARRL HQ,
Ed Hare, W1RFI
ARRL Lab "Dad"

ARRL Technical Information Service
Kit Manufacturers List

File: kits.txt
Updated: May 27, 1997
Author: ARRL Technical Information Services (email: tis@arrl.org)

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American Radio Relay League, 225 Main St., Newington, CT 06111
(email: tis@arrl.org).

Lab Notes: Kits Galore!

Summertime, and the living is easy. It's the perfect time to
build a kit! You can do it all at once in a mad frenzy, or work
on it piecemeal. Either way, you're guaranteed fun, education and
true pride of ownership. Mike Gruber, W1DG, ARRL Laboratory
Engineer, briefly discusses kit-building and provides a valuable
list of kit suppliers.--WB8IMY

Q: I'd sure like to try an electronics project, but I'm not
quite sure where to begin. I'm considering kits, but is kit
building really worth the trouble?

A: Well, when I was a youngster I would watch with fascination
as my Dad assembled his latest Heathkit project in our basement.
Smoke would often curl up from his soldering iron late into the
night. Friends and family would gather for the grand unveiling of
his latest triumph. A drawer full of those red plastic nut
starters that came with each and every kit (remember those?) is
still in our basement somewhere! I received quite an education
when I was finally old enough to follow in Dad's kit-building
footsteps. This early exposure to electronics inspired me to
obtain an Amateur Radio license and even pursue a career in
electronics.

Q: Are kits difficult to build? What ever happened to all those
classic kit manufacturers, anyway? What about Heath? I've heard

that they're out of the kit business. Does this mean that kit building is a thing of the past?

A: Whoa! Easy, big fella. Let me answer your questions one at a time. First, the level of difficulty varies with the individual kit. A very simple kit can require only minimal time, skill and experience to put together. Complex kits can, of course, be considerably more difficult. It is important to determine which kits match your abilities. When selecting a kit, be sure to consider any additional purchases that may be required, such as knobs and cabinets. You may also need test equipment to complete the project.

Second, it's true that many of the old kit manufacturers, such as Eico and Knight-Kit, are no longer in the kit business. Back in the days of point-to-point wiring and vacuum tubes, a kit manufacturer stood a decent chance of succeeding in the consumer electronics market. They offered better products at lower prices--including products not normally available. Today, the miniaturization of electronics, modern assembly techniques, and cheap overseas labor have taken away much of the competitive edge that kit makers enjoyed. Heath, however, is still making kits, mostly of the educational variety. These may be excellent starter kits to get your feet wet.

Finally, it's not true that kit building is a thing of the past. True pride of ownership and the thrill of doing it yourself are things that mass-produced products don't always offer. Many companies still make kits to fill this niche. Just about any skill level can be accommodated if you know where to look.

Q: Okay, you've sold me. I want to run home right now, warm up my soldering iron! I'll bet you've even compiled a list of kit manufacturers for me. How about it?

A: Yep, here's the list. Happy kit-building!

624 Kits
171 Springlake Dr
Spartanburg, SC 29302
tel: 803-573-6677

624 Kits was founded several years ago by Pat Bunn, N4LTA. The name 624 was originally chosen because the company made kits for the 6-, 2- and 420-MHz bands. Even though they no longer make VHF/UHF kits, the name remains. Most of the products offered by 624 are QRP in nature and many appeared in QST. Included are

numerous transmitters, receivers, W1FB projects, the Modified Cubic Incher, the Neophyte Receiver and the Gary Breed, K9AY, receiver kit. Any kit can be returned for a full refund before assembly. All parts are 100% guaranteed and repair service is also available. Please include two units of First Class postage when requesting a catalog.

A & A Engineering
2521 W LaPalma, Unit #K
Anaheim, CA 92801
tel: 714-952-2114
fax: 714-952-3280

A & A offers a wide range of amateur related kits from QRP transceivers to a digital frequency synthesizer and a 450-MHz spectrum analyzer. Electronic components, enclosures, ICs and ham-related publications are also available. Catalog available.

Agrelo Engineering
Joseph Agrelo
1145 Catalyn Street
Schenectady, NY 12303
tel: 518-381-1057
Fax: 518-381-1058
Email: jagrelo@cris.com
WWW: <http://www.cris.com/~jagrelo/index.html>

Notes: Products include Audio Transmitters, Digital Voice Recorder/Identifiers, Radio Direction Finding Equipment, Audio Scrambler/Descramblers, Simplex Repeaters, ATV Transmitters and Packet Data Transmitters.

All Electronic Components
118-122 Lonsdale Street
Melbourne, VIC 3000
Australia
NOTE: SWL, Amateur, Test Equipment

All Electronics Corp
14928 Oxnard Street
PO Box 567
Van Nuys, CA 91411
tel: 800-826-5432
Fax: 818-781-2653

Email: allcorp@allcorp.com
Web Site: <http://www.allcorp.com/>

Almost All Digital Electronics
1412 Elm Street, SE
Auburn, WA 98092
tel: 206-351-9316
Fax: 206-931-1940
Email: aade@ix.netcom.com
Web Site: <http://www.aade.com/>

Notes: Products include a digital frequency display, an L/C meter, WWV receivers (5 and 10 MHz) and a filter design/analysis software program for Windows.

Antique Electronic Supply
6221 S Maple Ave
Tempe, AZ 85283
tel: 602-820-5411
fax: 602-820-4643

Numerous kits for reproducing antique and vacuum tube radios are available. Antique Electronic Supply is also an excellent source for parts, components and documentation for antique radios. Catalog available.

C & A Electronic
PO Box 25070
Athens, 10026 Greece
tel: 52.42.867
tel: 52.42.537

Established in Athens in 1977, C & A Electronic has now grown to 15 employees. Their current 53-page catalog includes over 150 kits with, according to Simeon Krizias, SV1AYI, of C & A, more on the way. The projects range from the relatively simple to the complex. Kits include Amateur Radio, high-fidelity stereo, power supplies and instrumentation projects. Ready-made versions are available for novice kit-builders who prefer advanced or intermediate kits. A special US price list is available.

CCI (Communications Concepts, Inc)
508 Millstone Drive
Beavercreek, OH 45434

tel: 513-426-8600
fax: 513-429-3811

CCI's catalog features many linear amplifiers and projects from Motorola Applications Notes. Amplifier boards and various components are offered separately as sets. Other kit projects include an ATV receive converter and an audio squelch control. Semiconductors and other components can also be purchased separately. VISA and MasterCard accepted.

Circle Software
Phil Karras, KE3FL
PO Box 74
Mt. Airy, MD 21771
tel: 301-831-5134 (Also phone for Eldersong Publications)
Fax: 301-829-5249
Email: KE3FL@delphi.com

Notes: 2 meter/440 MHz J-pole kit. Send SASE for detailed product information.

(NOTE: Cirkit has not responded to our 1995 or later mailings - KC1SX)
Cirkit Distribution Ltd.
Park Lane
Broxbourne
Herts EN10 7NQ
England
tel: 44-992-444111
fax: 44-992-464457

More than 100 kits for the radio amateur, including preamps, power amps, converters, speech processors and a dip meter. Catalog available. Cirkit does not have a price list in US dollars, but does accept Master Card, VISA and American Express.

Curry Communications
PO Box 1884
Burbank, CA 91505
tel: 818-846-0617

Two kits currently available:

The 80-AU converts the entire LF/VLF band to the 80-meter amateur band.

The SAM-1 is a transverter that enables operation on the license-free 1750 meter band with an 80-meter amateur transceiver.

CW Technology
7328 Timbercreek Court
Reynoldsburg, OH 43068-1181
tel: 800-547-7479
Email: cwtech@infinet.com

Notes: Wally Blackburn, AA8DX, prop. - 'I have a small (just me) mail order company through which I sell kits. My starter products were kits for computer to transceiver interfaces to go along with my 2/93 QST article. Since, I have added a programmer kit for the MC68HC705K1 microcontroller and an optoisolated stepper motor controller kit. I also sell the PCBs and difficult parts for these projects.'

Dan's Small Parts and Kits
PO Box 3634
Missoula, MT 59801
tel: 406-258-2782
Fax: 406-258-2782 (same as voice)
Web Site: <http://www.fix.net/dans.html>

Deco Industries
Box 607
Bedford Hills, NY 10507
tel: 914-232-3878

DF Systems
PO Box 246925
Sacramento, CA 95824-6925
tel: 916-364-8873

Notes: Doppler DF kits, including the Roanoke Doppler kit.

Dover Research
321 W 4th Street
Jordan, MN 55352-1313
tel: 612-492-3913

Notes: Kits for the DigiVFO and DigiBrain QST projects (May 1995 and March 1996).

Down East Microwave
954 Rt. 519
Frenchtown, NJ 08825
Phone: 908-996-3584
Fax: 908-946-3072
Web Site: <http://downeastmicrowave.com/>

Notes: Steve Kostro, N2CEI - Microwave equipment; Numerous kits are offered for VHF, UHF and microwave projects. DEM's antenna line is available from Directive Systems.

Ed Wetherhold, W3NQN
1426 Catlyn Place
Annapolis, MD 21401-4208

Notes: CW audio filter kits (LC design, using 88 mH surplus telephone toroids). Send a personal letter with an SASE for more information.

Electronic Rainbow
6227 Coffman Road
Indianapolis, IN 46268
tel: 317-291-7262

Notes: General interest electronic hobby kits.

Elenco Electronics
150 Carpenter
Wheeling, IL 60090
tel: 708-541-3800

Notes: Educational kits, soldering supplies and new test equipment.

EMTECH
Roy Gregson, W6EMT
3641A Preble Street
Bremerton, WA 98312

Phone: 360-415-0804

Notes: Several kits, including the NW8020, a monoband (80, 40, 30 or 20m) transceiver.

Embedded Research
Bradley S. Mitchell, WB8YGG
PO Box 92492
Rochester, NY 14692
Email: gmdsr@vivanet.com
Web Site: <http://www.vivanet.com/~gmdsr>

Notes: Current kits include the Atomic Keyer, the TiCK-1 keyer (Tiny CMOS Keyer - based on an 8 pin microcontroller) and a replacement audio filter for the Ten-Tec Argosy.

Hamtronics, Inc
65-Q Moul Rd
Hilton, NY 14468-9535
tel: 716-392-9430
fax: 716-392-9420

A wide variety of amateur related kits are available. Kits include VHF and UHF exciters, linear amplifiers, receivers, repeaters, repeater accessories, preamps and receive converters. Some kits are FCC type accepted for commercial service. A 40-page catalog is available.

Hands Electronics
Sheldon Hands, GW8ELR
Tegryn
Llanfyrnach
Pembrokeshire, SA35 0BL
United Kingdom
Tel +44 01239 698427
E-Mail hands@rf-kits.demon.co.uk

Hands offers a large number of high end kits for hams specifically for receiver and transceiver applications. US distribution is handled via Kanga US (see listing for Kanga US below)

Hi-Res Communications, Inc.
Floyd Soo, KF8AT
8232 Woodview
Clarkston, MI 48348-4058
tel/24hr FAX: 810-391-6660

Email: hires@rust.net
WWW: <http://www.rust.net/~hires/>

Notes: Peak detector kit for QRP/QRO wattmeters.
Visa and MasterCard orders accepted.

Hosfelt Electronics Inc.
2700 Sunset Boulevard
Steubenville, OH 43952
800-524-6464
Note: General interest kits

C. M. Howes Communications
Eydon, Daventry,
Northants NN11 6PT,
England
tel: +44-01327-260178

Notes: Kits include receivers, transmitters, transceivers, antenna tuners, audio filters, active antennas, a microphone, speech processor, a preamp and a crystal calibrator. Also included are such projects as a VHF converter, a code-practice oscillator and a digital frequency display. All kits are engineered by Dave Howes, G4KQH, a former BBC engineer, who founded C. M. Howes in 1983. No US distributor at present. Visa and MasterCard accepted for mail order. C. H. Howes ships world wide. Send a couple of IRCs for overseas catalog requests.

IDIOM Press
PO Box 1025
Geyserville, CA 95441-1025
Note: CMOS Super-keyer II, CMOS Super-Keyer III

Jackson Harbor Press
Chuck Olson, WB9KZY
N21W1418 Foss Rd.
RR1, Box 91C
Washington Island, WI 54246-9718
email: jacksonharbor@worldnet.att.net

Notes: Memory keyer kit: the Island Keyer - an iambic keyer with 4 nonvolatile 120 character memories. Memory add-on kit for keyers: the Island Memory - adds nonvolatile memory to most keyers for less than \$20. Other kits available, starting at \$7 postpaid.

Jad Bashour
55 Hampton Road
London N15 3SX
United Kingdom
tel: 44-0181-889-0486

Notes: Superscan 2001 SSTV Kit - containing 3 PC Boards, Case and Manual plus all hard to find components as an option.

Jade Products, Inc.
PO Box 368
E. Hampstead, NH 03826-0368
Tel: (603) 329-6995
Orders: (800) JADE-PRO (523-3776)
Fax: (603) 329-4499
email: jadepro@intarachnid.com
web: <http://tarantula.intarachnid.com/jadepro/>

Notes: Complete line of battery charger kits using Unitrode's UC3906. Available as a complete kit with enclosure and meter, just the module and power transformer or module without transformer. Jade has a Curtis keyer kit using all of the features of the 8044ABM. Jade also has kits of several popular antenna types.

Jameco Electronics
1355 Shoreway Rd
Belmont, CA 94002
Phone: 800-831-4242

Amateur and general interest electronic hobby kits.

JDR Microdevices
1850 South 10th Street
San Jose, CA 95122-4108
tel: 800-538-5000 (Orders)

Components and electronic hobby kits.

John Langner, WB2OSZ
115 Stedman St
Chelmsford, MA 01824-1823
tel: 508-256-6907

John provides the Pasokon SSTV project kit featured in January 1993 QST. One empty expansion slot in a 286 or faster computer, 640K of memory, a color monitor and a VGA display adapter are all you need to send and receive all popular modes of SSTV. The complete kit is \$199.95, or \$229.95 for an assembled and tested unit.

Kanga US
Bill Kelsey, N8ET
3521 Spring Lake Dr
Findlay, OH 45840
tel: 419-423-4604 (7 pm to 11 pm Eastern Time only)
or: 419-423-5643
Email: kanga@bright.net
WWW: <http://qrp.cc.nd.edu/kanga/>

Bill, N8ET, operates Kanga US as an importer of QRP kits manufactured by Kanga Products in England:

Kanga Products
Dick Pascoe, G0BPS
Seaview House
Crete Road East
Folkstone Kent CT18 7EG
England
email: sales@kanga.demon.co.uk
web: <http://www.ukinternet.com/ham/kanga/>

Notes: Kanga is currently the largest supplier of QRP kits in the UK with over 40 kits in the range. They export to over 30 countries around the world.

Kanga's philosophy is to keep prices low by supplying kits with only the harder to get parts (the rest comes from your junkbox). Dick Pascoe also has written two books: Pascoes Penny Pinchers (on simple wire antennas) and Introducing QRP (currently the only British book on the subject).

Lake Electronics
7 Middleton Close
Nuthall

Nottingham, NG16 1BX
England
tel: 0115-9382509
email: 100775.730@compuserve.com

Every Lake kit is complete, down to the last component, including knobs and screws. The catalog features QRP transceivers, a receiver, an SWR meter, a power meter/dummy load, an antenna tuning unit, an audio filter and a power supply. A special price list is included for overseas customers. VISA, MasterCard and Eurocard accepted.

LDG Electronics
Jennifer Kincaid
1445 Parran Road
St Leonard, MD 20685
Phone: 410-586-2177
Fax: 410-586-8475
Email: ldg@radix.net
Web Site: <http://www.radix.net/~ldg/>

Notes: Basic packet modem kit, repeater voting system kit, automatic antenna tuner kit. Microprocessor development systems for 68HCII (assembled only).

Lectrokit
401 West Bogart Road
Sandusky, OH 44870-5854

Notes: SP-1, SP-750 Spider QRP CW transceiver kits, SP-10 ten watt CW transceiver kit.

M.A.S. Enterprises
UHF Technik
104 King St South
St. Jacobs ON N0B 2N0
Canada
tel: 519-664-2896
fax: 519-664-3082
email: mas@golden.org

Notes: Four kits currently available: a 6-meter SSB transverter, 2-meter foxhunting receiver, 24 cm FM TV transmitter, and a baseband processor for the TV transmitter. These kits are not intended for beginners. Owner:

Manfred
H. Zielinsky, VE3ZIE.

Maplin Electronics
PO Box 3
Rayleigh, Essex SS6 8LR
England

Mark V Electronics, Inc
8019 E Slauson Ave
Montebello, CA 90640
tel: 213-888-8988 (Catalog and information)
800-423-FIVE orders only (outside California)
800-521-MARK orders only (California residents)
fax: 213-888-6868

More than 70 kits available including high-fidelity audio products, laboratory equipment, power supplies, light controllers, games and numerous miscellaneous projects. Audio amplifiers range from 6 to 300 watts. Kit difficulty levels are individually specified as beginner, intermediate or advanced. VISA, MasterCard and American Express accepted.

MFJ
Box 494
Mississippi State MS 39762
601-323-5869
Note: SW receiver kit, QRP kits

Microcraft Corporation
PO Box 513Q
Thiensville, WI 53092
Tel: 414-241-8144

Currently available kits: Morse-A-Word CW reader, RTTY Reader, Morse-A-Keyer (CW keyboard keyer), Videoscan 1000 SSTV decoder, Code*Star reader for CW, RTTY and ASCII. Kit prices range from \$140 to \$595.

MXM Industries
Route 1 Box 156c
Smithville, TX 78957
Tel: 512-237-3906

Notes: Several QRP transceiver kits

NCG Co. - Comet Antenna
1275 North Grove Street
Anaheim, CA 92806
tel: 714-630-4541
NOTE: 15 m Mobile XCVR

North Country Radio
PO Box 53
Wykagyl Station
New Rochelle, NY 10804-0053
tel: 914-235-6611

Notes: ATV, VHF, Misc Amateur kits, enclosures.

Novatech Instruments, Inc.
1530 Eastlake Avenue East, Suite 303
Seattle, WA 98102
tel: 206-328-6902
Email: novatech@eskimo.com
Web Site: <http://www.eskimo.com/~ntsales/>

Notes: DDS3m, DDS3pc, DDS4m, DDS4pc and 291da direct digital synthesizers. Priced from \$159 for the DDS3m kit to \$1295 for the 191da. 2950 series rubicon and quartz frequency standards.

Oak Hills Research
20879 Madison St
Big Rapids, MI 49307
tel: 616-796-0920
800-842-3748
fax: 616-796-6633

Founded by Doug DeMaw, W1FB, and sold three years ago to Dick Witzke, KE8KL. Oak Hills Research has long been a source of QRP kits and components. Several new products are now being added to the company's line. Hours are weekdays from 8 am to 6 pm. VISA and MasterCard accepted.

Ocean State Electronics
PO Box 1458

6 Industrial Dr
Westerly, RI 02891
tel: 800-866-6626
and: 401-596-3080
fax: 401-596-3590

Included are a QRP transceiver, several receiver and robot kits, a keyer and code practice oscillator, educational and training kits and electronic test instruments. VISA, MasterCard and COD accepted; \$10 minimum order. Open weekdays 8 am to 5 pm EST, Saturday 10 am to noon. Frank Pellicano, WB1GTK, President.

Pauldon Associates
210 Utica Street
Tonawanda, NY 14150
tel: 716-692-5451

Notes: 2M, 6M, 222 MHz, 440 MHz (and higher freq.) power amplifier kits.

R. S. Miller, Inc.
Box 332
Wagontown, PA 19376
tel: 610-273-7823

Notes: Amateur, scanning, shortwave and general interest kits.

Radio Adventures Corp.
RD #4, Box 240
Summit Drive
Franklin, PA 16323
tel: 814-437-5355
Email: info@radioadv.com
Web Site: <http://www.radioadv.com/>

Notes: W1AW CW receiver for code practice and bulletins (from Feb 1993 QST)

Ramsey Electronics Inc.
793 Canning Parkway
Victor, NY 14564
tel: 716-924-4560
fax: 716-924-4555

A variety of kits ranging from complete amateur transceivers to mini-kit type projects for under \$10. Products include VHF/UHF FM transceivers, HF receivers, QRP transmitters, an active antenna, a CW keyer, 20 watt amplifier for a QRP transmitter, shortwave receiver, RDF kits and other projects. Ramsey charges a flat rate of \$3.95 for shipping, insurance and handling. Call or write for a free catalog.

Science Workshop
Murray Barlowe
Box 310
Bethpage, NY 11714
tel: 516-731-7628

Notes: Poor Man's Spectrum Analyzer Kit.

S & S Engineering
14102 Brown Road
Smithsburg, MD 21783
Tel: 301-416-0661
Note: ARK-40 QRP CW kit

\$equence Electronics
John Beech, G8SEQ
124 Belgrave Road
Coventry CV2 5BH
England
tel: 01203-617367
fax: 01203-617367

Monoband direct-conversion receiver and transmitter kits available from 80 through 6 meters. All parts, including a diecast box and printed circuit board, are included. A three-band version is also available. Other kits include a receive and transmit converter from 10 to 6 meters and an FM transceiver for 50, 70 or 144 MHz. All \$equence kits are specified as intermediate-level projects.

SHF Microwave Parts Company
7102 West 500 South
La Porte, IN 46350-9575
Email: prutz@shfmicro.com

Notes: Kits for WBFM Microwave, Gunn Sources & DRO's, 10 & 24 GHZ.

Flyer sent for SASE.

Small Wonder Labs
Dave Benson, NN1G
80 East Robbins Avenue
Newington, CT 06111
tel: 860-667-3536
Email: bensonjdj@aol.com

Notes: NE QRP 40-40, (40 meter CW transceiver), NN1G transceiver
(from the 1995 ARRL Handbook)

Sunlight Energy Systems
Mike Bryce, WB8VGE
2225 Mayflower NW
Massilon, OH 44646
tel: 216-832-3114

Notes: Battery charger kit for use with solar panels (Oct 93 QST)

TechSonic
32F Plymouth Park
Conshohocken, PA 19428
tel: 610-834-1978

QRP kits

Tejas RF Technology
PO Box 720331
Houston, TX 77272-0331
tel: 713-879-9300
NOTE: Backpacker II, other Amateur kits

Ten-Tec, Inc., T-Kit division
1185 Dolly Parton Parkway
Sevierville, TN 37862-3710
Tel: 615-453-7172
Orders: 800-833-7373
Fax: 615-428-4483
Web Site: <http://www.tentec.com/>

Available kits include 9-Band Shortwave Receiver, 2 Meter FM transceiver,
2 Meter Power Amp (for HTs), 6 Meter Transverter, SWR Bridge/Wattmeter,

RF Ground Counterpoise, Dummy Load, Air-core Variable Capacitor, and many more items. A 2 Meter FM Transceiver is under development. Write for catalog. Minimum order \$15.

Truscott's Electronic World
30 Lacey Street
Croydon, Victoria 3136
Australia
tel: 03-9-723-3860

Resells products and kits from Dick Smith, Altronics and Arista. Several other kits also available. Most kits are not for the beginner and were featured projects in Amateur Radio Magazine, the monthly publication of the Wireless Institute of Australia. A catalog is now in the works and new kits are being added.

Tucson Amateur Packet Radio (TAPR)
8987-309 E Tanque Verde Rd, #337
Tucson, AZ 85749-9399
tel: 817-383-0000 (voice mail)
Fax: 817-566-2544
Email: tapr@tapr.org
WWW: <http://www.tapr.org>

Notes: TAPR is a nonprofit research and development corp with more than 2500 members worldwide. It was founded in 1982 with the development of low-cost TNCs that started the packet radio growth in Amateur Radio in the US. TAPR no longer provides TNC kits, but offers kits for other digital aspects of the hobby. TAPR is currently focusing its efforts on Spread Spectrum technology for Amateur Radio.

Unified Microsystems
Gary Sutcliffe
PO Box 133
Slinger, WI 53086
tel: 414-644-9036
Email: ppvvp@mixcom.com
WWW: <http://www.qth.com/w9xt/>

Voice keyer kit.

Van Gorden Engineering
PO Box 21305
South Euclid, Ohio 44121
Tel: (216) 481-6590

NOTE: Complete kits for ARRL oscillator/key project. The cost is \$18.95 postpaid. The board can also be purchased along with the brass contact rod for \$8.95 postpaid.

Whiterook Products Company
309 S. Brookshire Ave
Ventura, CA 93003
tel: 805-339-0702
email: wpc@west.net
web: <http://www.west.net/~wpc/>

Notes: RF activated 'on air' call sign displays, miniature morse keys and paddles, 6 digit LED clocks (with seconds).

Wilderness Radio
PO Box 734
Los Altos, CA 94023-0734
tel: 415-494-3806

Notes: NorCal Sierra and NorCal 40A QRP transceiver kits.
KC2 Keyer/Counter/S-meter/Wattmeter (1"Hx3"W w/4-digit LCD), \$75

NOTE: The ARRL does not warrant any of the manufacturers listed above, or their products. Addresses subject to change without notice.

>
> For example, if I mention that "NorCal was cofounded by
> Doug and Jim and that they offer the 38 special kit" and
> so on, am I violating any laws, etc.
>
> If I mention that OHR and Emtech offer some single
> band rig kits, will this get me into trouble.
>
> I guess the bottom line is that the more prudent thing to
> do would be to write to get permission to mention a company
> name, or product they offer. Or, is that not necessary. The
> volume of all the clubs and companies I want to list would
> make this difficult. But I do have time on my side, if this
> is indeed necessary.

>
> Looking for opinions, especially from those who have been
> there, done that.
>
> TIA!
>
>
>
> 73 de Dave NR3E/5
> nr Dallas, TX
> qrp-1 #25, ARRL
> WIMPS: Qs=045 30m=032 17m=08 12m=05 States=024/05/04
> DX=02/00/01
>

--

73 from ARRL HQ,
Ed Hare, W1RFI
ARRL Laboratory Supervisor

Date: Thu, 26 Jun 1997 15:08:01 -0400
From: Tom_Jennings <jennings@eng16.rochny.uspra.abb.com>
To: qrp-1@Lehigh.EDU
Subject: [21994] Re: 10 METERS IS INDEED,OPEN
Message-ID: <jennings-9705261908.AA00018090@eng16>

In message M, gregoire@endor.com says:

> Date: Thu, 26 Jun 97 13:59:29 PDT
> From: gregoire@endor.com
> Subject: 10 METERS IS INDEED,OPEN
>
> Hello Gang,
>
> Yes I am shouting, TEN METERS IS OPEN,so get off this
> net and get on the air.
>

I was running errands at lunch time today and 10 was
DEAD here in Rochester, NY and I called CQ till I was
blue in the face but no answer!

73,

Tom, kv2x

Date: Thu, 26 Jun 1997 15:38:04 -0400
From: Glenn Swanson <gswanson@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [21995] New and improved:
Message-ID: <33B2C51C.2FA3@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My personal web page at:
<http://www.geocities.com/CapeCanaveral/1138/index.html>

Feedback welcome!
Vry 73/72, Glenn, KB1GW

Date: Thu, 26 Jun 1997 13:38:21 -0600
From: Larry East <w1hue@amsat.org>
To: qrp-l@Lehigh.EDU
Subject: [21996] April 1993 QRP Quarterlies
Message-ID: <2.2.16.19970626193821.3a1f0498@eloi>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone need an April, 1993 issue of the ARCI QRP Quarterly to round out their collection? I found a bunch of extras while undergoing my annual "forced clean-out" of shack, garage, etc. You can have one (or several...) for \$3.00 each including postage to destinations in the USofA or Canada. Make check or money order payable to Larry East and send to 1355 S. Rimline Dr., Idaho, Falls 83401. "Green stamps" (meaning good 'ol US "greenbacks"; PLEASE -- NO TRADING STAMPS! :-)) also accepted.

72, Larry W1HUE/7

Date: Thu, 26 Jun 1997 16:00:36 -0400 (EDT)
From: n4js@amsat.org
To: qrp-l@Lehigh.EDU
Subject: [21997] Custom Enclosure 38S
Message-ID: <XFMail.970626160155.n4js@amsat.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

Has anyone received their enclosure? I ordered it at the same time I ordered the 38S. I got the 38S 2 weeks ago ??

Sent at 16:01:55 on 26-Jun-97

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@n4js.ampr.org NJ Grid:FM29LN
<http://www.qsl.net/n4js> NJ-QRP #57 QRP-L #884
QRP-ARCI #9328 CQC #443 CQrp #50
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243
WIMPS Qs=025 30m=22 17m=3 12m=0 States=08/02/00 Countries=13/02/00

Date: Thu, 26 Jun 1997 16:21:02 EDT
From: w4bws@juno.com (Donald E Sanders)
To: r.hadley@www.mebbs.com
Cc: qrp-l@Lehigh.EDU
Subject: [21998] Re: LEGAL ISSUES WHEN GIVING QRP TALK
Message-ID: <19970626.163151.2167.0.W4BWS@juno.com>

Rick I agree. I believe this mindset is due to the education system's Dumbing of America : Project 2000. It reminds me of a wire service story about a week ago where a lady was suing a large pharmaceutical company because she put vaginal jelly on her toast and she got pregnant.

WELL,- the package didn't tell HER that jelly was not for her toast- doesn't everyone know that jelly is for toast?

Don W4BWS
W4BWS@JUNO.COM

Date: Thu, 26 Jun 1997 16:27:15 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [21999] Re: Front Panel Screws
Message-ID: <33B2D0A3.DE0@arrl.org>

Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I think there is a general consensus that it is a good idea to avoid the ordinary slotted screws in order to protect a nice looking front panel.

Besides the relatively common socket cap hex) head screws I mentioned, button head cap and Robinson (square drivers) screws were also suggested, as well as the very common Phillips head screws.

It really makes a difference, the deep sockets can almost make the driver stick to the screws, or so it seems--Zack W1VT

Date: Thu, 26 Jun 1997 13:53:29 -0700 (PDT)
From: Monte Stark <ku7y@sage.dri.edu>
To: Zack Lau <zlau@arrl.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [22000] Re: Front Panel Screws
Message-ID: <Pine.SUN.3.90.970626134606.23215B-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Zack,

Another trick.....

Use Pozidriv drivers on your Phillips. They seem to grip much better and don't tend to round off as soon.

I buy Xcelite in #1, 2 & 3 size. They fit into one of the series 99 handles.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 26 Jun 1997 17:04:39 -0400 (EDT)
From: Steve Bornstein <saborns@freenet.columbus.oh.us>
To: n4js@amsat.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22001] Re: Custom Enclosure
Message-ID: <Pine.3.07.9706261734.A9436-91000000@login>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

G'day All,

I received my custom 38S enclosure two days ago. It is very, very nicely machined out of a single piece of stock. The finish is high quality hard black anodized. Fit is snug but nowhere near outrageous. It's worth every penny of the \$28 price.

73 DE K8IDN STEVE QRP-L 331, ARCI 9059, NORCAL 1717, MIQRP, FISTS 2441,
GQRP 8332, CQRP 1

Date: Thu, 26 Jun 1997 17:09:55 -0400 (EDT)
From: Steve Bornstein <saborns@freenet.columbus.oh.us>
To: Multiple recipients of list <qrp-l@Lehigh.EDU>
Subject: [22002] ATTENTION CQrp MEMBERS
Message-ID: <Pine.3.07.9706261755.A9436-91000000@login>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

G'day CQrp Members,

I think we are all set to go for Field Day operations. Marty Himes WB8FNH and I are putting the final touches on the antennas this evening at my place.

We could use help Saturday morning to get the gear to the site. We could also use more operators.

If you are coming please send e-mail or leave phone message 614-263-5819.

73 DE K8IDN STEVE QRP-L 331, ARCI 9059, NORCAL 1717, MIQRP, FISTS 2441,
GQRP 8332, CQRP 1

Date: Thu, 26 Jun 97 11:58:04 GMT
From: jlarsen@alascom.att.com
To: <qrp-1@Lehigh.EDU>
Subject: [22003] Ten Meter??
Message-ID: <9706268673.AA867327184@alascomsmtp.alascom.att.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Ten Meter? What's a Ten Meter? We haven't found any up here in Anchorage.
I saw a 15 meter once earlier this summer. :-)

Why, some days we don't even see a 20 meter.

73,
Jim
AL7FS
Anchorage, Alaska

Date: Thu, 26 Jun 1997 21:20:42 +0000
From: Sandy W5TVW <ebjr@worldnet.att.net>
To: qrp-1@Lehigh.EDU, boatanchors@theporch.com, glowbugs@www.atl.org
Subject: [22004] RE: 10 meters open
Message-ID: <19970626212040.AAA475@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Today about 1900 GMT worked N8OHC in Ohio and AI9L in Illinois
around 28060 khz. Been getting a few beacons here and there between
28200 and 28300. Looks like my HW-9 still works on 10 meters...about 2-1/2
watts out to a Butternut HF-6V vertical ground mounted.

Called CQ on 29 Mhz a few times with a 35 watt Elmac AF-67. No replies

at all here.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: 860 tubes, WL-460 tubes

Butternut HF2V antenna, G-R test gear.....*

Date: Thu, 26 Jun 97 22:05:40

From: "KA5T Larry Wise" <lewise@inetport.com>

To: "qrp" <qrp-1@Lehigh.EDU>

Subject: [22005] HELP Todays 50 40 30 sked pls

Message-ID: <199706262202.RAA26269@admin.inetport.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Gang...

Somehow I've managed to discard or misplace todays sked...

Will the stn on today send me a copy??

thanks,

Larry

KA5T lewise@inetport.com

Date: Thu, 26 Jun 1997 16:11:11 +0000

From: "Marshall Emm" <mgemm@mtechnologies.com>

To: qrp-1@Lehigh.EDU

Subject: [22006] CDA Overturned

Message-ID: <199706262212.QAA00425@lynx.csn.net>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

In a 7-2 decision the Supreme Court has invalidated the
Communications Deceny Act. CNN's web site has the details at
<http://www.cnn.com/US/9706/26/scotus.cda/index.html>
73

Marshall Emm
AA0XI/VK5FN
aa0xi@mtechnologies.com
<http://www.mtechnologies.com/mthome>

Date: Thu, 26 Jun 1997 17:39:42 -0700
From: Dana E Hager <dehager@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [22007] Re: oscilloscopes
Message-ID: <33B30BCD.3FAC@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tucker Electronics has a bunch of Reconditioned Tek 2335/2337 (100 MHz)
listed for \$1200 - \$1500. I have been looking for a scope and have not
had any luck in finding a good used one at the local hamfests. Where
else can I look for used scopes.

Dana E Hager
Nazareth, PA

Date: Thu, 26 Jun 1997 15:45:38 MST
From: Mike Robinson <miker@comlinear.nsc.com>
To: qrp-1@Lehigh.EDU
Subject: [22008] SOLD: Bencher BY-2
Message-ID: <199706262245.PAA07955@gecko.nsc.com>

Thanks to those that responded.

The BY-2 is sold.

=====

73 Michael N7MR <http://www.frii.com/~michael>
Michael.Robinson@nsc.com michael@frii.com
QRP-L #126 Norcal #857 CQC #180

=====

End of QRP-L Digest 769
